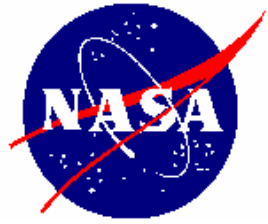# Concepts in Information Categorization for Internet Aware Collaborative Applications

Information provided by:

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Data Categories

- **OLD**
  - MSN
  - BRT
  - SER
  - ADM
  - ACI *(NASA Classification)*
    - Administratively Controlled Information
  - ITAR/EC
    - International Treaty on Arms Restrictions/ Export Control

- **NEW**
  - NIST 800-60 based
    - Confidentiality (H, M, L)
    - Integrity (H, M, L)
    - Availability (H, M, L)
  - SBU
    - Sensitive But Unclassified
  - ITAR/EC
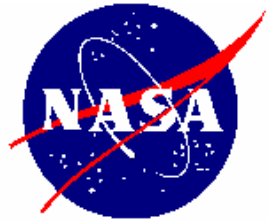   - International Treaty on Arms Restrictions/ Export Control
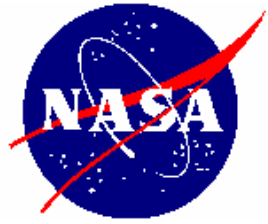
Information Type Definitions

NASA Specific

- ACI- Administratively Controlled Information
- SBU- Sensitive But Unclassified
- Classified (personnel clearance required)

Federal

- Export Controlled
- ITAR – International Treaty on Arms Restrictions

Stakeholders

- System Owner
  - NASA (Steve Newman / Sue Otero)
- Users & Data Owners
  - Generate and manage information
- Information Security (OSPP)
  - Personnel clearances/background
- Information Technology Security (OCIO)
  - Information systems
  - Security planning, risk management
- Export Control Office
  - Procedures & Processes to export EC information
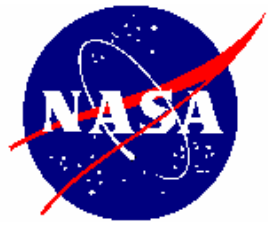
Sensitive But Unclassified Information

- **Governing Policy:**
  - NPR 1610.1 *NASA Security Program Procedural Requirements*, Section 5.22.

- Procedures focused on paper-based information, to prevent unauthorized disclosure

- Definitions of ACI/SBU (examples not complete list)
  - ITAR/EC
  - Information exempted from FOIA
  - Center maps
  - NASA designated, such as predecisional materials

- Controls
  - Transmission using encryption
  - Marking
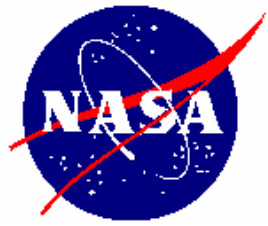
Information Technology Security

Governing Policy:
- NPR 2810.1 *Security of Information Technology*
- Federal Information Security Management Act 2002
- NIST SP 800-60, *Guide for Mapping Types of Information and Information Systems to Security Categories*

- Focus on protecting the IT systems and data transmissions

- Security Planning, Common Information Types
  - Space Operations Information Type
  - Scientific and Technical Research And Innovation Information Type

- Technical controls based on impact levels (High, Moderate, Low)

Export Control Office

Governing Policy:

- Export Administration Regulations, 15 CFR Part 734.2(b)(2), *Scope of Export and Administration Regulation*
- 15 CFR Part 774, Supplement 1, *The Commerce Control List*
- National Security Decision Directive NSDD-189, *National Policy on the Transfer of Scientific, Technical and Engineering Information.*

- Defines 'How to Correctly Disclose" ITAR/EC information
- ITAR/EC can be disclosed, if you file the forms
- US-Person, non-US-Person
- Unauthorized disclosure means paying big fine - $$$$